How to change air filter on **BMW E46 touring** – replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:
BMW 7 (E38) 730d 2.9, BMW 5 Saloon (E39) 530d 3.0, BMW 5 Touring (E39) 530d 3.0, BMW X5 (E53) 3.0 d, BMW 3 Saloon (E46) 330d 2.9, BMW 3 Touring (E46) 330d 2.9, BMW 5 Saloon (E39) 525d 2.5, BMW 5 Touring (E39) 525d 2.5, BMW 3 Touring (E46) 330xd 2.9, BMW 3 Saloon (E46) 330xd 2.9, BMW 7 (E65, E66, E67) 730d 3.0, BMW 3 Coupe (E46) 330Cd 3.0, BMW 5 Saloon (E60) 530d 3.0, BMW 3 Saloon (E46) 330d 3.0, BMW 3 Saloon (E46) 330xd 3.0, (+ 32)

The steps may slightly vary depending on the car design.

REPLACEMENT: AIR FILTER – BMW E46 TOURING. TOOLS YOU NEED:



- Torx bit T20
- HEX bit No.H5
- Ratchet wrench
- Microfibre towel
- Fender cover

BUY TOOLS

Replacement: air filter – BMW E46 touring. AUTODOC recommends:

- Follow the terms, recommendations and requirements of the part operation provided by the manufacturer.
- All work should be done with the engine stopped.

REPLACEMENT: AIR FILTER – BMW E46 TOURING. TAKE THE FOLLOWING STEPS:

1 Open the bonnet.



2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.



3 Unscrew the fasteners of the cabin filter housing cover.



4 Remove the cabin filter housing cover.



5 Remove the cabin filter.



6 Remove the rubber strip.



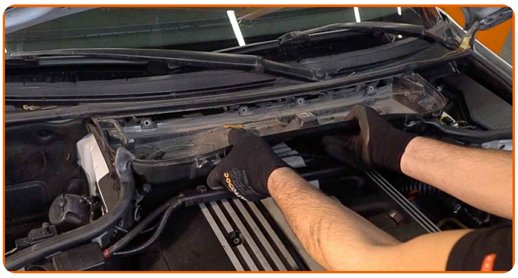
7 Unscrew the filter housing fastening bolts. Use Torx T20. Use a ratchet wrench.



8 Disconnect the wiring harness from the cabin filter housing.



9 Remove the cabin air filter housing.



10 Loosen the air intake fastening. Use HEX No.H5. Use a ratchet wrench.



11 Detach the air duct housing from the air filter housing.



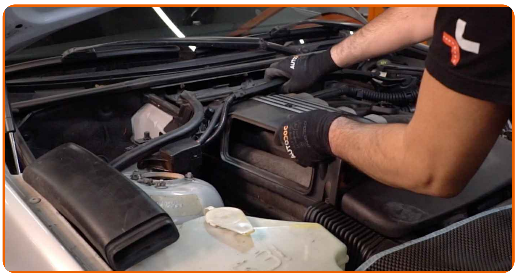
12 Undo the fastening screws of the air filter cover. Use HEX No.H5. Use a ratchet wrench.



13 Remove the oil filler cap.



14 Take off the filter lid.



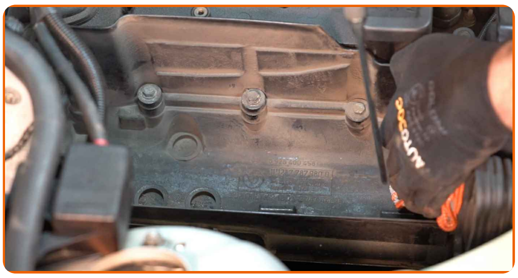
15 Tighten the oil filler cap.



16 Remove the filter element from the filter housing.



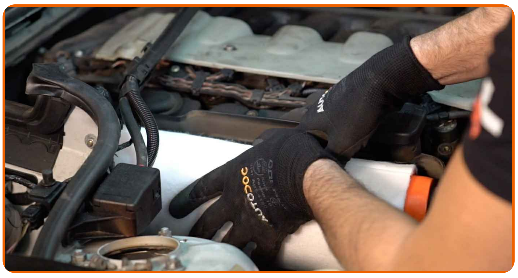
17 Clean the air filter cover and housing.



Replacement: air filter – BMW E46 touring. Tip from AUTODOC experts:

- Before cleaning the air filter cover and housing, cover the air duct parts, mass airflow sensor (if available), throttle valve with a clean cloth.

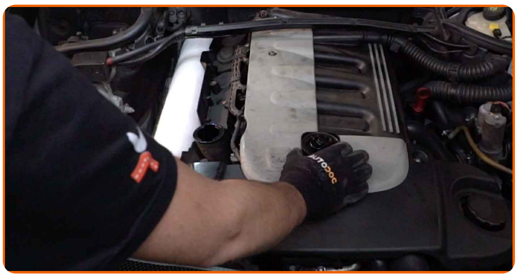
18 Insert a new filter element into the filter housing. Make sure that the filter edge fits tight to the housing.



AUTODOC recommends:

- Replacement: air filter – BMW E46 touring. Be sure to position the filtering element correctly. Avoid misalignment.
- Take care to only use quality filters.
- During installation, make sure to prevent dust and dirt from getting into the air filter housing.

19 Remove the oil filler cap.



20 Reinstall the air filter housing.



21 Tighten the oil filler cap.



22 Screw in the fastening screws of the air filter cover. Use HEX No.H5. Use a ratchet wrench.



23 Install the air duct housing.



24 Secure the fastener of the air intake duct. Use HEX No.H5. Use a ratchet wrench.



25 Clean the cabin filter housing and cover.



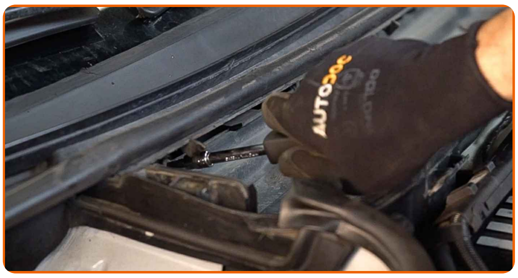
Replacement: air filter – BMW E46 touring. Tip:

- Remove any debris from the cabin filter housing carefully to prevent contamination of the ventilation duct.

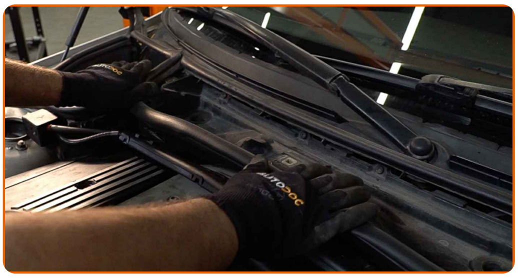
26 Install the cabin air filter housing.



27 Screw the filter housing fastening bolts. Use Torx T20. Use a ratchet wrench.



28 Install the rubber strip.



29 Connect the wiring harness to the cabin filter housing.



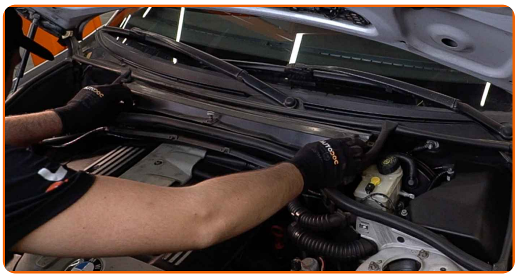
30 Insert the filter cartridge into the filter housing. Make sure that the filter edge fits tight to the housing.



AUTODOC recommends:

- Follow the air flow direction arrow on the filter.
- Replacement: air filter – BMW E46 touring. Be sure to position the filtering element correctly. Avoid misalignment.

31 Reinstall the cabin filter housing cover.



32 Screw in the fasteners of the cabin filter housing cover.



33 Remove the fender protection cover.



34 Close the hood.



WELL DONE!

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